

What is claimed is:

[Claim 1] A simplified stereotactic brain surgery device, comprising:

a guide frame for guiding a puncturing needle's tip to a predetermined location within a brain; and

left and right fixing frames, each having a fixing member for fixing the device to the patient's head, the fixing frames being displaceable in a longitudinal direction of the guide frame;

wherein the guide frame is provided with a plurality of guide depressions that guide the puncturing needle's tip to a point on the line connecting the left and right fixing members.

[Claim 2] The simplified stereotactic brain surgery device according to claim 1, wherein the guide frame is provided with a scale.

[Claim 3] The simplified stereotactic brain surgery device according to claim 1 or 2, wherein the guide frame comprises a displacement prevention member for preventing displacement of the puncturing needle when the puncturing needle is guided by the guide depressions.

[Claim 4] The simplified stereotactic brain surgery device according to claim 3, further comprising a pressing member that presses the displacement prevention member against a main member of the guide frame.

[Claim 5] The simplified stereotactic brain surgery device according to any of claims 1 to 4, wherein an auxiliary fixing member for aiding fixation of the device on the patient's head is provided on at least one of the left and right fixing frames.

[Claim 6] The simplified stereotactic brain surgery device according to claim 5, wherein the auxiliary fixing member comprises an auxiliary fixing portion for aiding fixation of the device on the patient's head, a linking member linking the auxiliary fixing portion and the fixing frame at an adjustable angle with the fixing member at the center, and a distance adjustment member for adjusting a distance between the auxiliary fixing portion and that fixing member.

[Claim 7] A band that is used prior to brain surgery using the simplified stereotactic brain surgery device according to any of claims 1 to 6, to determine a position where the device is mounted to the patient's head and to mark this position, the band having a plurality of marker members that are arranged at opposing positions when the band is wrapped around the patient's head.

[Claim 8] The band according to claim 7, wherein the marker members comprise aluminum or an alloy thereof, stainless steel, brass, copper, nichromium, processed animal bone, or tooth.

[Claim 9] The band according to claim 7 or 8, whose main member is mesh-shaped.